

TIGHT

KCC
JUL 24 2006
CONFIDENTIAL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Presco Western**
5480 Valmont Ste 350
Boulder CO 80301

ATTN: Mike Dodge

15 30S 32W Haskel KS

Diaden Farms #4

Start Date: 2006.04.19 @ 12:49:01
End Date: 2006.04.19 @ 23:51:15
Job Ticket #: 23246 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Presco Western Diaden Farms #4 15 30S 32W Haskel KS DST # 1 Atoka/Morrow 2006.04.19


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Presco Western

5480 Valmont Ste 350
Boulder CO 80301

ATTN: Mike Dodge

Diaden Farms #4

15 30S 32W Haskel KS

Job Ticket: 23246

DST#: 1

Test Start: 2006.04.19 @ 12:49:01

GENERAL INFORMATION:

Formation: **Atoka/Morrow**Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:45:00

Time Test Ended: 23:51:15

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 18

Interval: **5246.00 ft (KB) To 5360.00 ft (KB) (TVD)**

Total Depth: 5360.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2883.00 ft (KB)

2873.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 175.92 psig @ 5249.00 ft (KB)

Start Date: 2006.04.19

End Date:

2006.04.19

Start Time: 12:49:01

End Time:

23:51:15

Capacity: 7000.00 psig

Last Calib.: 2006.04.20

Time On Btm: 2006.04.19 @ 15:43:00

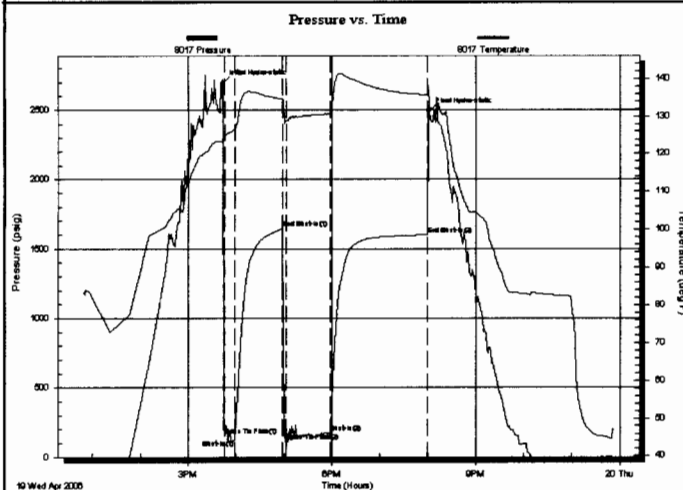
Time Off Btm: 2006.04.19 @ 20:01:30

TEST COMMENT: IF BOB in 2" over 15"

IS Surf blow built to 3/4" then receded to 1/8" over 60"

FF BOB @ open w/ gas to surf @ 5" over 60"

FS Surf blow built to 5" then receded to 2" over 120"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2692.66	123.42	Initial Hydro-static
2	158.04	125.03	Open To Flow(1)
16	127.10	126.66	Shut-In(1)
76	1646.40	134.56	End Shut-In(1)
79	111.91	128.62	Open To Flow(2)
135	175.92	130.58	Shut-In(2)
257	1600.95	135.64	End Shut-In(2)
259	2483.39	132.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 20%W 80%M	0.30
120.00	GWCM 20%G 30%W 50%M	0.59
180.00	GM 10%G 90%M	1.98
30.00	M 100%M	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	15.00	11.00
Last Gas Rate			
Max. Gas Rate	0.13	15.00	11.00



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Presco Western
5480 Valmont Ste 350
Boulder CO 80301
ATTN: Mike Dodge

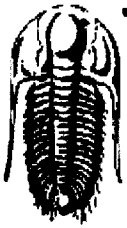
Diaden Farms #4
15 30S 32W Haskel KS
Job Ticket: 23246 DST#: 1
Test Start: 2006.04.19 @ 12:49:01

Tool Information

Drill Pipe:	Length: 4985.00 ft	Diameter: 3.80 inches	Volume: 69.93 bbl	Tool Weight: 1900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 71.11 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	5246.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	114.00 ft			
Tool Length:	144.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5217.00	
Shut In Tool	5.00			5222.00	
Sampler	2.00			5224.00	
Hydraulic tool	5.00			5229.00	
Jars	5.00			5234.00	
Safety Joint	3.00			5237.00	
Packer	5.00			5242.00	30.00 Bottom Of Top Packer
Packer	4.00			5246.00	
Stubb	1.00			5247.00	
Perforations	2.00			5249.00	
Recorder	0.00	8017	Inside	5249.00	
Perforations	36.00			5285.00	
Change Over Sub	1.00			5286.00	
Drill Pipe	63.00			5349.00	
Change Over Sub	1.00			5350.00	
Perforations	5.00			5355.00	
Recorder	0.00	13276	Inside	5355.00	
Bullnose	5.00			5360.00	114.00 Bottom Packers & Anchor

Total Tool Length: 144.00

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Presco Western 5480 Valmont Ste 350 Boulder CO 80301 ATTN: Mike Dodge	Diaden Farms #4 15 30S 32W Haskell KS Job Ticket: 23246 DST#: 1 Test Start: 2006.04.19 @ 12:49:01	

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.97 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WCM 20%W 80%M	0.295
120.00	GWCM 20%G 30%W 50%M	0.590
180.00	GM 10%G 90%M	1.978
30.00	M 100%M	0.421

Total Length: 390.00ft Total Volume: 3.284 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 14,000 Chlor., 68 Cu.Ft. Gas @ 1,300 psi
 Scum of Oil in 180' feet of recovery


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GAS RATES

Presco Western

 5480 Valmont Ste 350
Boulder CO 80301

ATTN: Mike Dodge

Diaden Farms #4
15 30S 32W Haskel KS

Job Ticket: 23246

DST#: 1

Test Start: 2006.04.19 @ 12:49:01

Gas Rates Information

 Temperature: 59 deg C
 Relative Density: 0.65
 Z Factor: 0.8

Gas Rates Table

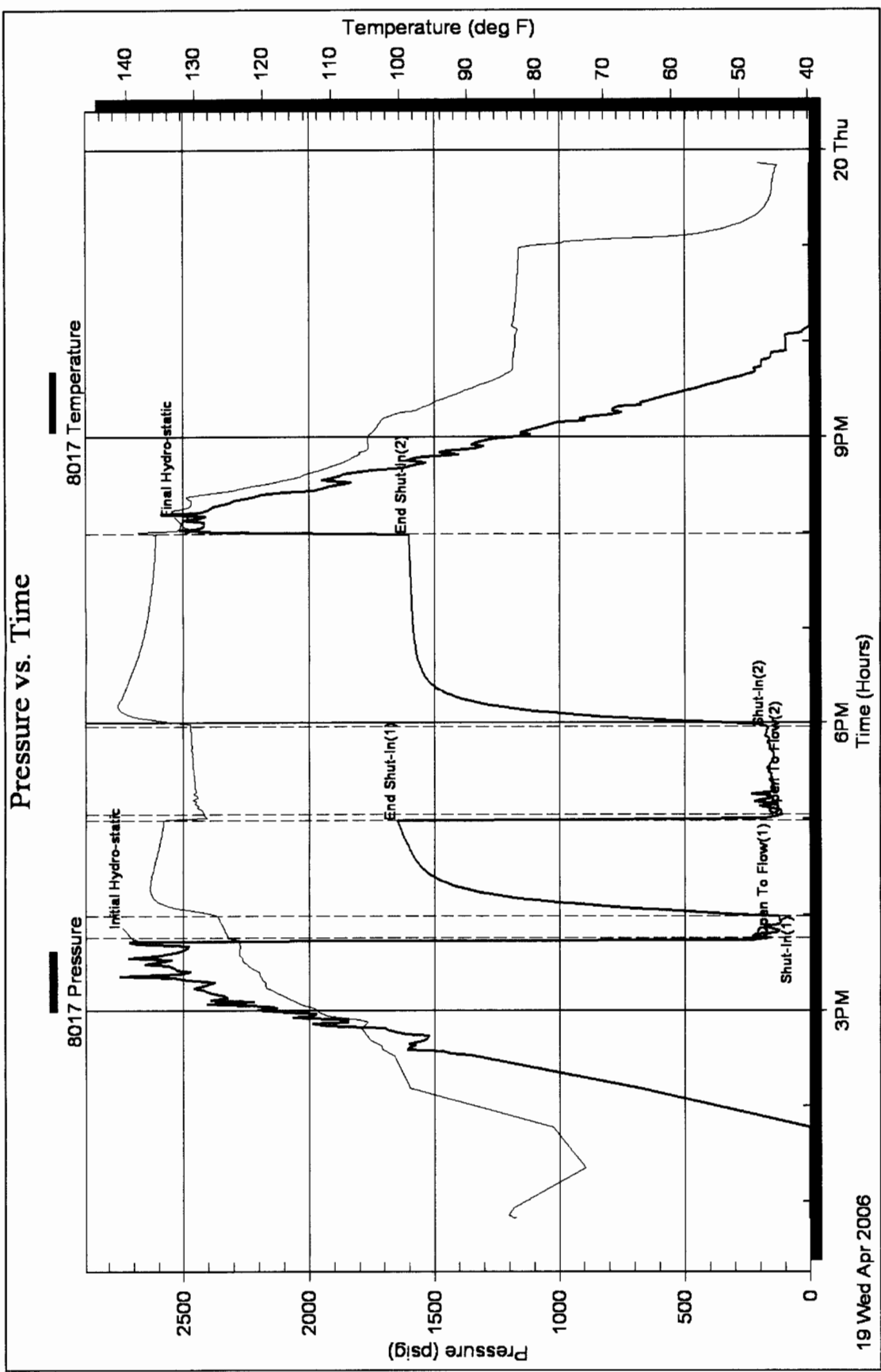
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
2	10	0.13	15.00	11.00
2	20	0.13	15.00	11.00
2	30	0.13	15.00	11.00
2	40	0.13	15.00	11.00
2	50	0.13	15.00	11.00
2	60	0.13	15.00	11.00
0	-	-999999.00	-999999.00	-999999.00

Serial #: 8017

Inside Presco Western

15 30S 32W Haskel KS

DST Test Number: 1



TIC-11